Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	06/29/2017 10:14 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/21/2017 12:22 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	126005	0	1.44	125902	1.44
Blue	F	SSC	125000	124134	-1	3.04	124631	2.92
Blue	E	FITC	23355	22659	-3	2.50	1005	10.21
Blue	D	PE	28848	28438	-2	2.06	1023	9.85
Blue	B	PerCP-Cy5-5	47791	47118	-2	3.40	1354	17.79
Blue	A	PE-Cy7	41358	41658	0	5.15	651	36.38
Red	C	APC	51316	50791	-2	2.72	2949	9.42
Red	A	APC-Cy7	53225	52670	-2	2.66	1088	11.16
Violet	B	V450	14473	13944	-4	3.27	672	8.73
Violet	A	V500	59973	58851	-2	3.00	2610	6.07

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20142	2.89	610	12	N/A	N/A	Pass
Blue	F	SSC	61742	2.01	543	9	N/A	N/A	Pass
Blue	E	FITC	115	39.20	545	1	0.0214	231	Pass
Blue	D	PE	225	28.95	541	3	0.1582	237	Pass
Blue	B	PerCP-Cy5-5	211	46.62	632	2	0.0089	65	Pass
Blue	A	PE-Cy7	70	120.29	687	6	0.0111	12	Pass
Red	C	APC	345	27.64	591	-3	0.0203	76	Pass
Red	A	APC-Cy7	119	40.70	573	-3	0.0056	1710	Pass
Violet	B	V450	81	40.58	467	-4	0.0431	1569	Pass
Violet	A	V500	191	21.37	498	-3	0.0138	51	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.48	-31.05	0.86
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.33
Red	18.47	13.27 - 19.91	N/A	N/A	31.06	31.54	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 10774

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments